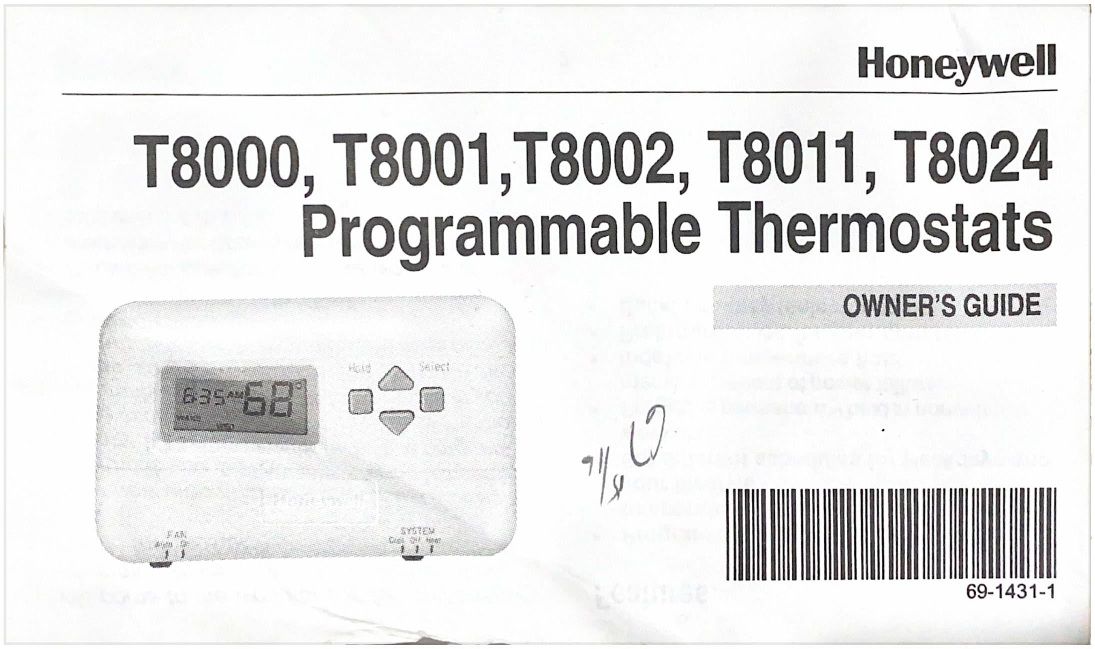
Honeywell T8000, T8001, T8002, T8011, T8024 Programmable Thermostats Owner’s Guide



Honeywell

T8000, T8001,T8002, T8011, T8024 Programmable Thermostats

OWNER'S GUIDE

7/4 07

69-1431-1

6:35 AM
68°
Hold
Select
Honeywell
FAN
Auto On
SYSTEM
Cool Off Heat

Welcome to the world of comfort and energy savings with your new Honeywell programmable thermostat.

Your new programmable thermostat is designed to provide you with reliable, precise temperature control. When you follow the simple programming instructions in this manual, your thermostat automatically controls the temperature in your home, saving energy and allowing you to awake (or return home) to a comfortable level of heating or air conditioning.

If you have questions, visit our web site at www.honeywell.com/yourhome, or call the customer information line at 1-800-468-1502.

Features

- **Program up to four time periods with temperature settings to complement your lifestyle.**
- **Set different schedules for weekdays and weekend.**
- **Programs permanently held in nonvolatile memory in event of power failure.**
- **Indefinite temperature hold.**
- **Preprogrammed for your convenience.**
- **Backlit display (select models).**

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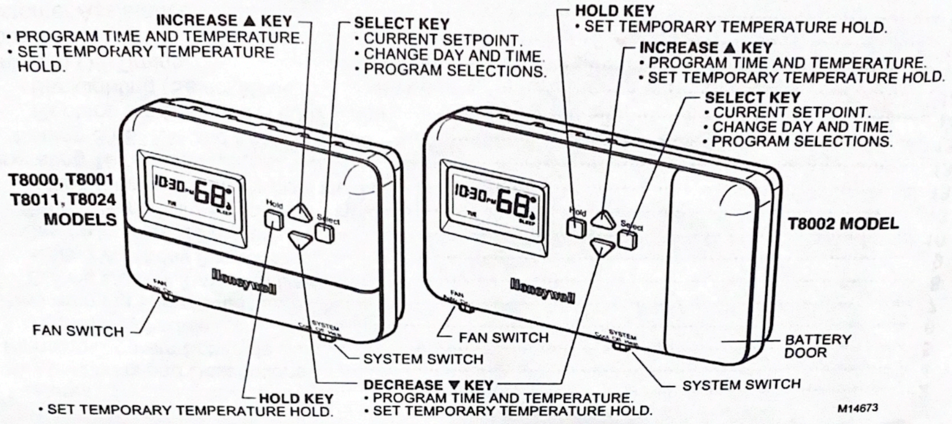
Key Locations and Descriptions


INCREASE ▲ KEY
• PROGRAM TIME AND TEMPERATURE.
• SET TEMPORARY TEMPERATURE HOLD.
SELECT KEY
• CURRENT SETPOINT.
• CHANGE DAY AND TIME.
• PROGRAM SELECTIONS.
HOLD KEY
• SET TEMPORARY TEMPERATURE HOLD.
INCREASE ▲ KEY
• PROGRAM TIME AND TEMPERATURE.
• SET TEMPORARY TEMPERATURE HOLD.
SELECT KEY
• CURRENT SETPOINT.
• CHANGE DAY AND TIME.
• PROGRAM SELECTIONS.
T8000, T8001
T8011, T8024
MODELS
T8002 MODEL
Hold
Select
Honeywell
FAN SWITCH
FAN SWITCH
SYSTEM SWITCH
BATTERY DOOR
SYSTEM SWITCH
DECREASE ▼ KEY
• PROGRAM TIME AND TEMPERATURE.
• SET TEMPORARY TEMPERATURE HOLD.
HOLD KEY
• SET TEMPORARY TEMPERATURE HOLD.
M14673

Planning Program Schedule

The thermostat display shows day, time, program period, and temperature.

The thermostat can be set for four time periods per day for weekdays and weekend.

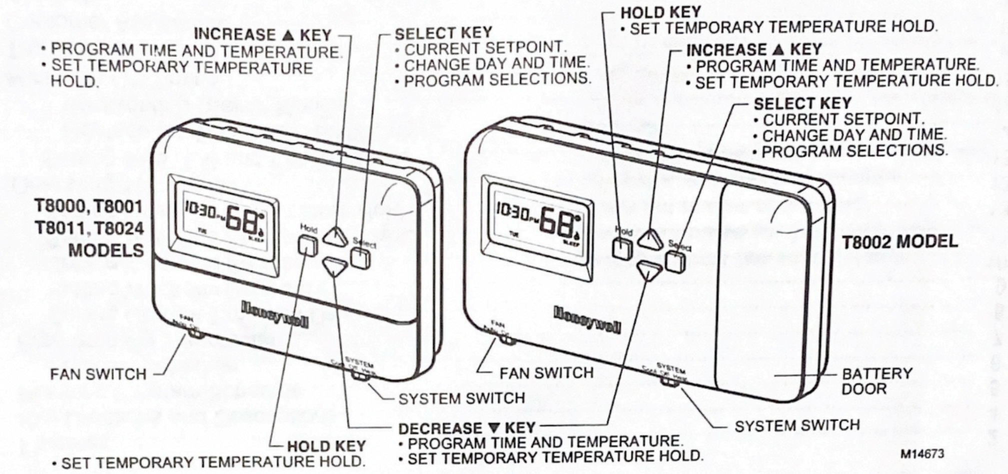
Before programming the thermostat, you can use the program schedule to plan your program.

Fill in the weekday and weekend times and temperatures you desire. If you decide not to program the thermostat, it uses the preprogrammed time and temperature settings in Table 1.

Table 1. Preprogrammed Time and Temperature Settings.

Period	Time	Heat Setpoint	Cool Setpoint
Wake	6:00 AM	70°F (21°C)	78°F (26°C)
Leave	8:00 AM	62°F (17°C)	85°F (29°C)
Return	6:00 PM	70°F (21°C)	78°F (26°C)
Sleep	10:00PM	62°F (17°C)	82°F (28°C)

Key Locations and Descriptions


INCREASE ▲ KEY
• PROGRAM TIME AND TEMPERATURE.
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Honeywell
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Program Schedule

Weekday	Start Time	Heating Temperature	Cooling Temperature
Wake	________	________	________
Leave	________	________	________
Return	________	________	________
Sleep	________	________	________

Weekend	Start Time	Heating Temperature	Cooling Temperature
Wake	________	________	________
Leave	________	________	________
Return	________	________	________
Sleep	________	________	________

Wake and Return start times should include extra lead time, based on outside temperature and equipment response time, to give your equipment a head start to heat or cool the house. The temperatures cannot be set any higher than 99°F (37°C) or any lower than 40°F (4°C).

Programming Thermostat

The thermostat is flexible and can be programmed for different schedules for weekdays and the weekend to meet your lifestyle needs.

Use the personal Program Schedule for planning your time and temperature settings for various times of the day.

Four time periods are available during weekdays and the weekend—Wake, Leave, Return, and Sleep.

Wake is the time the thermostat turns on the heating/cooling equipment after an energy saving period. When deciding what time to set for your Wake period, include extra lead time, depending on the outside temperature and your equipment response time, to give the equipment a head start to heat or cool the house before you get up. (This will be a higher temperature during heating season, and a lower temperature during cooling season.)

Leave is the time period you can set for an energy-saving temperature while you are away at work or school. (This will be a lower temperature during heating season, and a higher temperature during cooling season.)

Return is the time the thermostat turns on the heating/cooling equipment after an energy saving period. When deciding what time to set for your Return period, include extra lead time, depending on the outside temperature and your equipment response time, to give the equipment a head start to heat or cool the house before you arrive home.

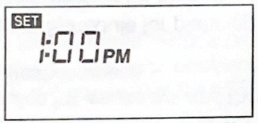
Sleep is the time period you can set for an energy-saving temperature while you are sleeping. (For more comfortable sleeping, some people choose not to raise the cool temperature during the night.)

IMPORTANT

Always press the keys with your fingertip or similar blunt tool. Sharp instruments like pens and pencil points can damage the keyboard.

Setting Current Time and Day

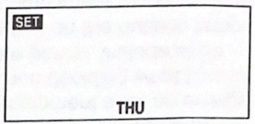
1. To set current time, press Select twice. Press ▲ or ▼ to set current time.



M12591A

While setting the current time, the word SET is displayed.

2. To set day of week, press Select again. Press ▲ or ▼ to set current day.



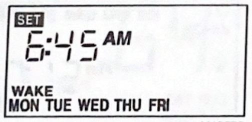
M18534

To use the preprogrammed time and temperature (see Table 1), press Hold to exit the programming mode.

Setting Weekday Program

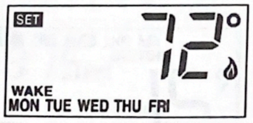
Slide the SYSTEM switch to the position, Heat or Cool, you want to program. A flame 🔥 (heating) or a snowflake ❄ (cooling) appears in the right side of the display, when setting the program temperature.

3. Wake
   a. Press Select. Press ▲ or ▼ to set Wake time.


SET
6:45 AM
WAKE
MON TUE WED THU FRI

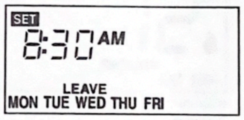
M18570

   b. Press Select. Press ▲ or ▼ to set Wake temperature.


SET
72°
WAKE
MON TUE WED THU FRI

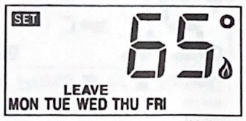
M12625C

4. Leave
   a. Press Select. Press ▲ or ▼ to set Leave time.


SET
8:30 AM
LEAVE
MON TUE WED THU FRI

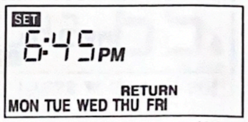
M18566

   b. Press Select. Press ▲ or ▼ to set Leave temperature.


SET
65°
LEAVE
MON TUE WED THU FRI

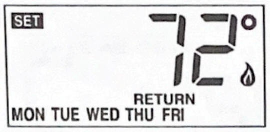
M12627B

5. Return
   a. Press Select. Press ▲ or ▼ to set Return time.


SET
6:45 PM
RETURN
MON TUE WED THU FRI

M18567

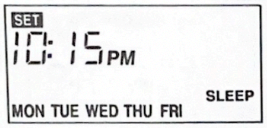
b. Press Select. Press ▲ or ▼ to set Return temperature.


SET
72°
RETURN
MON TUE WED THU FRI

M12629B

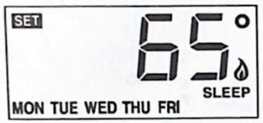
6. Sleep

a. Press Select. Press ▲ or ▼ to set Sleep time.


SET
10:15PM
SLEEP
MON TUE WED THU FRI

M18568

b. Press Select. Press ▲ or ▼ to set Sleep temperature.

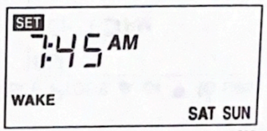

SET
65°
SLEEP
MON TUE WED THU FRI

M12631C

Setting Weekend Program

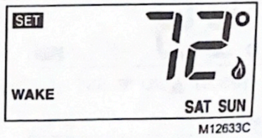
7. Wake

a. Press Select. Press ▲ or ▼ to set Wake time.


SET
7:45AM
WAKE
SAT SUN

M18569

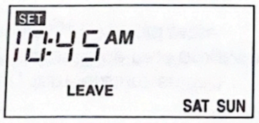
b. Press Select. Press ▲ or ▼ to set Wake temperature.


SET
72°
WAKE
SAT SUN

M12633C

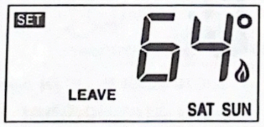
8. Leave

a. Press Select. Press ▲ or ▼ to set Leave time.


SET
10:45AM
LEAVE
SAT SUN

M18550

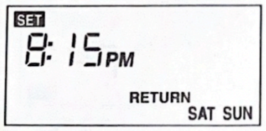
b. Press Select. Press ▲ or ▼ to set Leave temperature.


SET
64°
LEAVE
SAT SUN

M12635B

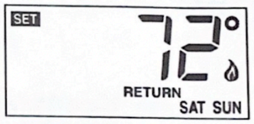
9. Return

a. Press Select. Press ▲ or ▼ to set Return time.


SET
8:15PM
RETURN
SAT SUN

M18552

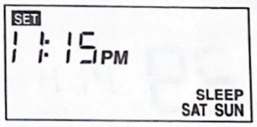
b. Press Select. Press ▲ or ▼ to set Return temperature.


SET
72°
RETURN
SAT SUN

M12637B

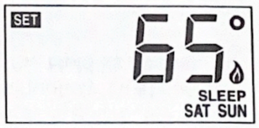
10. Sleep

a. Press Select. Press ▲ or ▼ to set Sleep time.


SET
11:15PM
SLEEP
SAT SUN

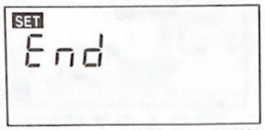
M18554

b. Press Select. Press ▲ or ▼ to set Sleep temperature.


SET
65°
SLEEP
SAT SUN

M12639C

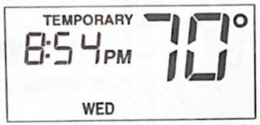
11. Press Select. End is displayed. Programming is complete. The thermostat reverts to displaying the current day time and temperature in five seconds.



M18556

Setting Temporary Temperature Hold

1. Press ▲ or ▼ key to set a temporary temperature setting.



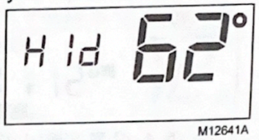
M12640A

NOTE: The temporary temperature setting remains in effect until the next program period. To cancel, press Hold twice.

Setting Indefinite Temperature Hold

The Hold key allows you to indefinitely hold a temperature. When Hold is active, the letters Hld are displayed continuously. Hold can be canceled by pressing the Hold key again.

1. Press Hold
2. Press ▲ or ▼ key to set indefinite temperature setting.



M12641A

Operating Thermostat

Setting SYSTEM and FAN Switches

Use the SYSTEM and FAN switches to control thermostat operation.

SYSTEM settings:
- Cool: The thermostat controls the cooling.
- Off: Both the heating and cooling are off.
- Heat: The thermostat controls the heating.
- Em. Ht. (heat pump models only): The thermostat cycles emergency heat relay (E) and cycles auxiliary heat (W2), as needed, to maintain setpoint. Terminal L is energized continuously (fault heat relay is on continuously). Compressor is de-energized.

Slide the SYSTEM switch in the lower right corner of the thermostat to select the desired system setting.

FAN settings:
- Auto: Fan operates with equipment.
- On: Fan operates continuously.

Slide the FAN switch in the lower left corner of the thermostat to select the desired fan setting.

Heat and Cool Indicators:

🔥 Indicates a call for heat.
❄ Indicates a call for cool.

NOTE: In the programming mode, the 🔥 and ❄ indicate system setting.

Back Lighting (Select Models)

Any key pressed lights the display for approximately ten seconds.

Replacing the Batteries (T8002 Models Only)

The T8002 Thermostat requires three AA alkaline batteries to operate.

As the batteries run low, your thermostat shows a "bAt Lo" message in the digital display. The message flashes for one to two months before the batteries run out completely. Replace the batteries as soon as possible after the message flashes.

The batteries are located on the right side of the thermostat. Open the battery door from the bottom, lifting out.

If you insert the batteries within approximately 30 seconds of removing the old batteries, the thermosat retains the current time and day. If the display is blank when changing batteries, reset the time and day. Your program does not require resetting; it is stored permanently!

Important: Even if you do not see the "bAt Lo" message, replace the batteries once a year to prevent leakage and/or the heating/cooling system from shutting down due to lack of battey power.

Minimum Off-Timing

The thermostat minimum off-timer assures that the compressor does not come on again for at least five minutes after it turns off. The minimum off-timer is triggered when the compressor turns off and when the SYSTEM switch position is changed. If the compressor turns off when the setpoint is changed, the minimum off-timer is triggered. Power interruption and power restoration also trigger the minimum off-timer.

The minimum off-timer operates in cooling on the T8000 and T8001, T8002, T8024 (multi-stage model) and in first stage heating or cooling on the T8011 (heat pump model). A flashing flame 🔥 or snowflake ❄ indicates the minimum off-time is in effect.

Troubleshooting

Symptom	Action
Display does not come on.	• Check if the thermostat is mounted and latched on the wallplate—mount and latch the thermostat on the wallplate. • Check if the circuit breaker is tripped—reset the circuit breaker. • Check if the fuse is blown—replace the fuse. • Check if the switch at the equipment is in the Off position—set to the On position. • Check if the batteries are good and installed correctly (T8002 only).
Temperature settings do not change (example: cannot set the heating higher or the cooling lower).	• Check that the temperature setpoints are: between 40 to 99°F (4 to 37°C).

continued

Troubleshooting *(Continued)*.

Symptom	Action
Heating does not come on.	• Check if the circuit breaker is tripped—reset the circuit breaker. • Check if the fuse is blown—replace the fuse. • Check if the switch at the equipment is in the Off position—set to On position. • Wait five minutes for the system to respond. • Set SYSTEM switch to Heat. • If the temperature setting is higher than the current room temperature and the flame 🔥 is displaying, the thermostat is operating correctly. Contact a heating contractor for assistance.

continued

Troubleshooting *(Continued).*

Symptom	Action
Cooling does not come on.	• Check if the circuit breaker is tripped—reset the circuit breaker. • Check if the fuse is blown—replace the fuse. • Check if the switch at the equipment is in the Off position—set to On position. • Wait five minutes for the system to respond. • Set SYSTEM switch to Cool. • If the temperature setting is lower than the current room temperature and the snowflake ❄ is displaying, the thermostat is operating correctly. Contact an air conditioning contractor for assistance.

continued

Troubleshooting *(Continued).*

Symptom	Action
System on indicator 🔥 or ❄ is lit, but no warm or cool air is coming from the registers.	Wait a couple minutes after seeing the flame or snowflake and then check the registers.
System on indicator 🔥 or ❄ is flashing.	Minimum off-timer is in effect. Wait five minutes until the minimum off-timer is complete.

Customer Assistance

If you have any questions concerning the operation of your thermostat, please visit us at www.honeywell.com or call the thermostat information helpline at 1-800-468-1502.

Warranty

Honeywell warrants this product, excluding battery, to be free from defects in the workmanship or materials, under normal use and service, for a period of one (1) year from the date of purchase by the consumer. If, at any time during the warranty period, the product is defective or malfunctions, Honeywell shall repair or replace it (at Honeywell's option) within a reasonable period of time.

If the product is defective,

(i) return it, with a bill of sale or other dated proof of purchase, to the retailer from which you purchased it, or

(ii) package it carefully, along with proof of purchase (including date of purchase) and a short description of the malfunction, and mail it, postage prepaid, to the following address:

Honeywell Return Goods
Dock 4 MN10-3860
1885 Douglas Drive North
Golden Valley, MN 55422

This warranty does not cover removal or reinstallation costs. This warranty shall not apply if it is shown by Honeywell that the defect or malfunction was caused by damage which occurred while the product was in the possession of a consumer.

Honeywell's sole responsibility shall be to repair or replace the product within the terms stated above. HONEYWELL SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE OF ANY KIND, INCLUDING ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING, DIRECTLY OR INDIRECTLY, FROM ANY BREACH OF ANY WARRANTY, EXPRESS OR IMPLIED, OR ANY OTHER FAILURE OF THIS PRODUCT. Some states do not allow the exclusion or limitation of incidental or consequential damages, so this limitation may not apply to you.

THIS WARRANTY IS THE ONLY EXPRESS WARRANTY HONEYWELL MAKES ON THIS PRODUCT. THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, IS HEREBY LIMITED TO THE ONE YEAR DURATION OF THIS WARRANTY. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

If you have any questions concerning this warranty, please write Honeywell Customer Relations, 1985 Douglas Dr N, MN10-1451, Golden Valley, MN 55422. In Canada, write Retail Products ON15, Honeywell Limited/ Honeywell Limitée, 35 Dynamic Drive, Scarborough, Ontario M1V 4Z9.

Honeywell

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